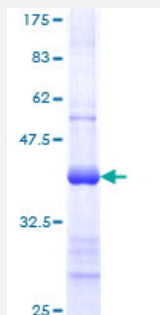


TREX1 (Human) Recombinant Protein (Q01)

Catalog # H00011277-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TREX1 partial ORF (NP_057465, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGPGARRQGRIVQGRPEMCFPPPTPLPPLRLTLGHTPTPCSSPGSAAGTYPTMGSQALPPG PMQTLIFFDMEATGLPFSQPKVTELCLLAVHRCAL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (73); Rat (74)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TREX1

Entrez GeneID [11277](#)

GeneBank Accession# [NM_016381](#)

Protein Accession# [NP_057465](#)

Gene Name TREX1

Gene Alias AGS1, AGS5, CRV, DKFZp434J0310, DRN3, HERN5

Gene Description three prime repair exonuclease 1

Omim ID [192315](#) [225750](#) [606609](#) [610448](#) [610905](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the major 3'->5' DNA exonuclease in human cells. The protein is a non-processive exonuclease that may serve a proofreading function for a human DNA polymerase. It is also a component of the SET complex, and acts to rapidly degrade 3' ends of nicked DNA during granzyme A-mediated cell death. Mutations in this gene result in Aicardi-Goutieres syndrome, chilblain lupus, and Cree encephalitis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations 3' repair exonuclease 1|OTTHUMP00000164813|deoxyribonuclease III, dnaQ/mutD-like

Disease

- [Adenocarcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)

- [Myositis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)